



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Larson Engineering, Inc.

562 W. State Rd.4
Olmitz Ks 67564

ATTN: Steve Davis

Splitter-Hilgenberg #1-35

35-18-29 Lane Co KS

Job Ticket: 38360

DST#: 4

Test Start: 2010.10.01 @ 00:05:15

GENERAL INFORMATION:

Formation: **K**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole**
 Time Tool Opened: **02:18:30** Tester: **Mike Roberts**
 Time Test Ended: **06:57:30** Unit No: **48**
Interval: 4275.00 ft (KB) To 4290.00 ft (KB) (TVD) Reference Elevations: **2806.00 ft (KB)**
 Total Depth: **4290.00 ft (KB) (TVD)** **2799.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **7.00 ft**

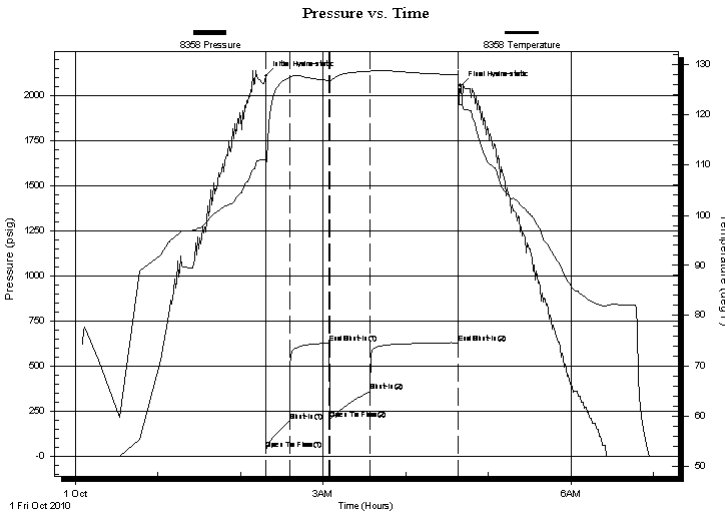
Serial #: 8358

Inside

Press @ Run Depth: **361.37 psig @ 4276.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2010.10.01** End Date: **2010.10.01** Last Calib.: **2010.10.01**
 Start Time: **00:05:15** End Time: **06:57:30** Time On Btm: **2010.10.01 @ 02:18:15**
 Time Off Btm: **2010.10.01 @ 04:39:45**

TEST COMMENT: IF: BOB in 5 min
 FF: No return blow
 FF: BOB in 7 min
 FS: No return blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2109.25	111.15	Initial Hydro-static
1	37.10	110.13	Open To Flow (1)
18	196.95	127.53	Shut-In(1)
46	627.57	126.92	End Shut-In(1)
47	203.81	126.80	Open To Flow (2)
76	361.37	128.75	Shut-In(2)
140	629.30	128.04	End Shut-In(2)
142	2056.25	121.99	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	free oil 100% o	0.02
744.00	100% sw	9.19

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

41000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2400.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
5.00	free oil 100% o	0.025
744.00	100% sw	9.188

Total Length: 749.00 ft Total Volume: 9.213 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW= .261@51*=41,000 ppm

Pressure vs. Time

